JAN 25 200 U

PTO/SB/08a
Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no personal to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known						
Application Number	10/660,717					
Filing Date	September 12, 2003					
First Named Inventor	Byung-Jo LEE					
Art Unit	1744	<del></del>				
Examiner Name	UNASSIGNED					
Attorney Docket Number	116511-00113					

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Çited Document	Pages, Columns, Lines, Where Relevant			
			· · · · · · · · · · · · · · · · · · ·		Figures Appear			
		ÚS-	<del>,</del>					
ļ	<del></del>	US-		<del> </del>				
		US-						
		US-		<u>i</u>				
		US-	•					
		US-						
-		US-						
		US-						
		US-						
		US-						
		us-						
		US-						
		US-						
		US-						
		US-						
		US-						
-		US-						
		US-	· · · · · · · · · · · · · · · · · · ·					

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To.			
4		GB 2,373,174 A	09-18-2002	Samsung Kwangju Electronics Co., Ltd.					
K		WO 01/41619 A1	06-14-2001	SMC Marketing Corporation					
	<del>                                     </del>								

Examiner Signature	Vanue will	Date Considered	8/1/06	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent document the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comment on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

TO/SB/08b (08-03) Approved for use through 06/30/2006. OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1985, no persons the respond to a collection of information unless it contains a valid OMB control number.

	Substi	tute for form 1449A/PTC	)		Complete if Known		
1					Application Number	10/660,717	
	•••	ORMATION			Filing Date	September 12, 2003	
	SIA	ATEMENT E	SY AI	PLICANI	First Named Inventor	Byung-Jo LEE	
		(Use as many sho	eets as ne	cessary)	Art Unit	1744	
					Examiner Name	UNASSIGNED	
She	et	2	of	2	Attorney Docket Number	116511-00113	

miner als*						
K		Russian Office Action dated December 29, 2004 with Translation				
	·					
			-			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/S8/08a Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1985 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

\*\*RAPE AT MENT OF COMMERCE
\*\*TRADE A

Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 2

Complete if Known					
Application Number	10/660,717				
Filing Date	September 12, 2003				
First Named Inventor	Byung-Jo LEE				
Art Unit	1744				
Examiner Name	Unknown				
Attorney Docket Number	116511.00113				

. U. 8. PATENT DOCUMENTS								
Examiner nitials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where			
unitare.		Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-			•			
		US-						
		US-						
		US-						
		US-						
		US-						
		US-	***					

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>5</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	14	
4		UK 2 368 005 A	04/24/2002	Jang-Keun OH			
NZ-		UK 2 385 808 A	09/03/2003	Jang-Keun OH			
14		GB 2381223 A	04/30/2003	Min-Jo CHOI			
7		WO 2002/078505 A3	10/10/2002	Wayne CONRAD			

				_
Examiner Signature	Thure	will	Date Considered 8/,/06	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

TO/SB/08b (08-03)
Approved for use through 06/30/2006, CMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.

Substitute for form 1449A/PTO

141		AATION D	Ne.	N OSUBE	Application Number	10/660,717		
		· · · · · · · · · · · · · · · · · · ·		CLOSURE PLICANT	Filing Date September 12, 2003			
3	IAIE	MEMI DI	AF	PLICANI	First Named Inventor	Byung-Jo LEE		
	(U:	se as many sheets	as nec	essary)	Art Unit	1744		
					Examiner Name	Unknown		
Sheet		2	of	2	Attorney Docket Number	116511.00113		
				NON PATENT LI	TERATURE DOCUMENTS			
Examiner Initizis*	Cite No.	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
K				FICE, Combined Search 9.0 filed on September :		ed March 18, 2004 in British Patent		
						t		

Examiner Signature	Tenne	well	Date Considered 81/0	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

NOV 2 4 700A 25

MADELANS

of

PTO/SB/08a Approved for use through 07/31/2008. OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction at of 1995, no person are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known		
Application Number	10/660,717	
Filing Date	September 12, 2003	
First Named Inventor	Byung-Jo LEE	
Art Unit	1744	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	116511-00113	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (d known)</sup>			Figures Appear
115	1	US-6,070,291	06-06-2000	Bair et al	_
		US-			
		US-			
•		US-			·
		US-			
		US-			
		US-	i i i i i i i i i i i i i i i i i i i		
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т <sup>е</sup> .
d	2		04-24-2002	Samsung Kwangju Electronics Co. Ltd.		
W	3	GB2377656A	01-22-2003	Samsung Kwangju Electronics Co. Ltd.		
A	4	GB2386056A	09-10-2003	Samsung Gwangju Electronics Co. Ltd.		

Examiner Signature	June Will	Date Considered 8/1/06	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents in the indication of the year of the reign of the Emperor must precade the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

TO/SB/08b (08-03)

Approved for use through 08/30/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act (1996, 1996) ons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for form 1449A/PTO  INFORMATION DISCLOSURE	Complete if Known				
	NEODMATION F		N COURT	Application Number	10/660,717	
	= '			Filing Date	September 12, 2003	
STATEMENT BY APPLICANT (Use as many sheets as necessary)			PLICANI	First Named Inventor	Byung-Jo LEE	
			assary)	Art Unit	1744	
				Examiner Name	Not Yet Assigned	
Shee	2	of	2	Attorney Docket Number	116511-00113	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*				
A	5	Examiner's First Report (issued August 12, 2004) issued from the Australian Patent Office for Australian Patent Application No.: 2003248385, filed September 24, 2003		
		·		
		,		
Examiner Signature	,	Tenu of Considered 3/1/06		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) en application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.